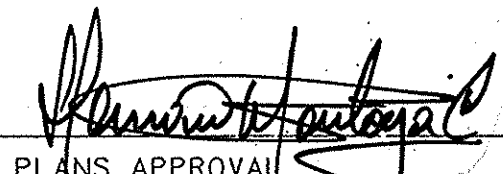
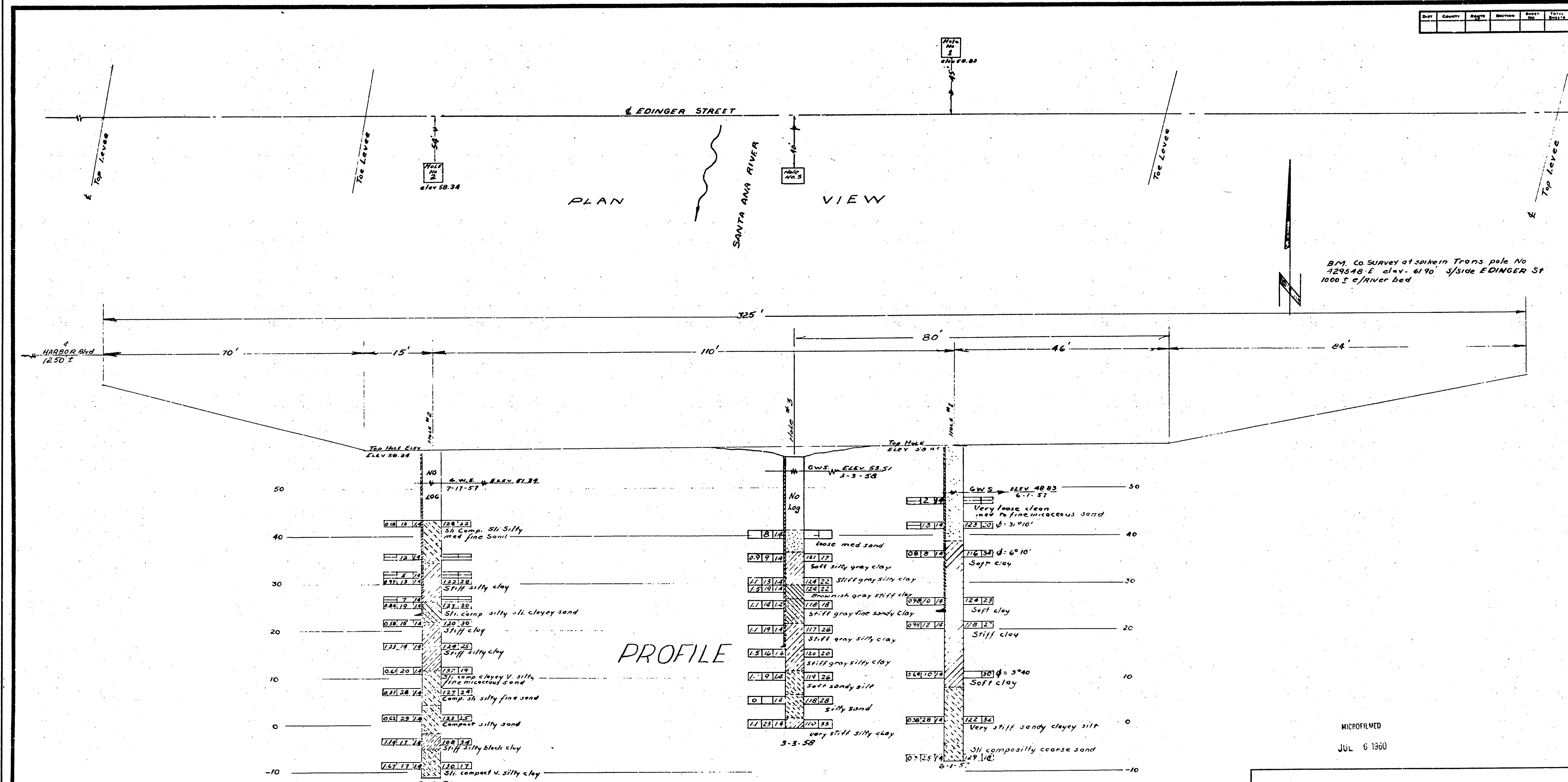


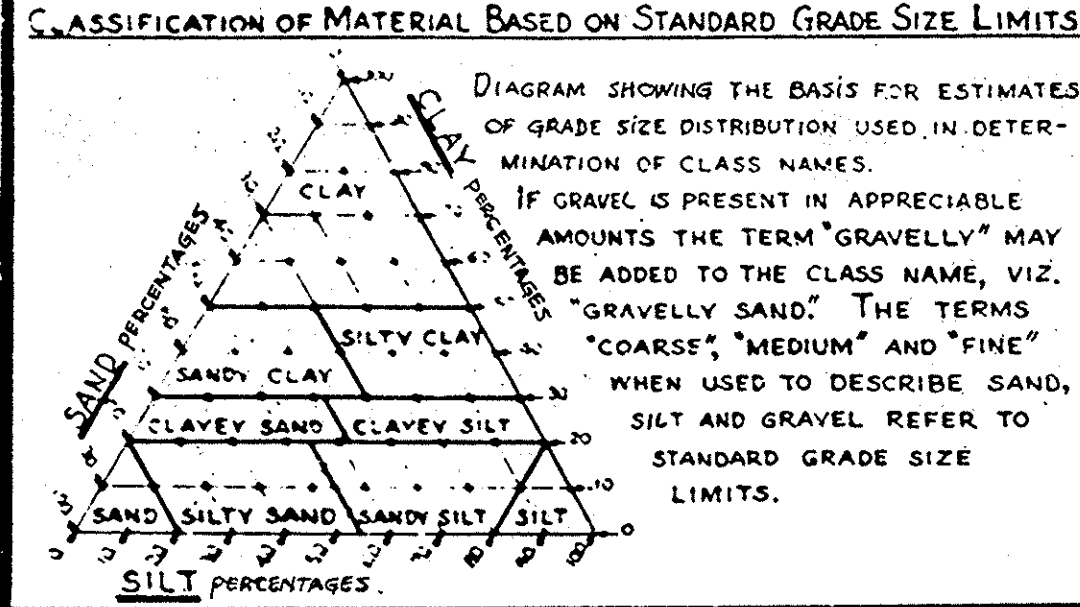
PREPARED UNDER THE SUPERVISION OF
PAUL R. YOUNG, PROJECT MANAGER
REGISTERED CIVIL ENGINEER
PROJECT ENGINEER:
REGISTERED STRUCTURAL ENGINEER

PLANS APPROVAL

2-24-13
DATE

REGISTERED PROFESSIONAL ENGINEER
HERNAN MONTOYA
No. S002819
Exp. 6/30/96
STRUCTURAL
STATE OF CALIFORNIA



NOTE:
1. THIS LOG OF TEST BORINGS WAS REPRODUCED FROM THE ORIGINAL BRIDGE PLANS (1960) AT THE REQUEST OF THE ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY.
2. REFER TO SHEETS C-11 AND G-15 FOR ADDITIONAL GEOTECHNICAL INFORMATION

CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS

DIAGRAM SHOWING THE BASIS FOR ESTIMATES OF GRADE SIZE DISTRIBUTION USED IN DETERMINATION OF CLASS NAMES.
IF GRAVEL IS PRESENT IN APPRECIABLE AMOUNTS THE TERM "GRAVELLY" MAY BE ADDED TO THE CLASS NAME, VIZ. "GRAVELLY SAND". THE TERMS "COARSE", "MEDIUM" AND "FINE" WHEN USED TO DESCRIBE SAND, SILT AND GRAVEL REFER TO STANDARD GRADE SIZE LIMITS.

LEGEND OF EARTH MATERIALS

GRAVEL	SILTY CLAY OR CLAYEY SILT
SAND	PEAT AND/OR ORGANIC MATTER
SILT	FILL MATERIAL
CLAY	IGNEOUS ROCK
SANDY CLAY OR CLAYEY SAND	SEDIMENTARY ROCK
SANDY SILT OR SILTY SAND	METAMORPHIC ROCK

LEGEND OF BORING OPERATIONS

PLAN OF ANY BORING	1" SOIL TUBE
PENETROMETER	ROTARY BORING
2 1/2" CONE PENETROMETER	JET BORING
SAMPLER BORING (DRY)	CORE BORING
ROTARY BORING (WET)	TEST PIT
AUGER BORING (DRY)	

NOTES
The contractor's attention is directed to Section 2, Article (c) of the Standard Specifications and to the Special Provisions accompanying this set of plans.
Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

**EDINGER ST. CROSSING
SANTA ANA RIVER
LOG OF TEST BORINGS**
SCALE 1" = 10' BRIDGE S.A. 27 FILE DRAWING JBEWLES
SHEET 11 OF 13 SHEETS

COMPUTER AIDED DESIGN & DRAFTING
DESIGN FILENAME

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
REVISIONS			
ROBERT BEIN, WILLIAM FROST & ASSOC. 14725 ALTON PARKWAY IRVINE, CALIFORNIA 92718		U.S. ARMY ENGINEER DISTRICT LOS ANGELES CORPS OF ENGINEERS	
DESIGNED BY: H.M.		SANTA ANA RIVER MAINSTEM INCLUDING SANTIAGO CREEK, CALIFORNIA	
DRAWN BY: J.L.S.		LOWER SANTA ANA RIVER CHANNEL (SAN DIEGO FREEWAY TO RIVER VIEW GOLF COURSE)	
CHECKED BY: H.M./P.R.Y.		EDINGER AVENUE BRIDGE LOG OF TEST BORINGS	
SUBMITTED BY:		DATE:	SPEC. NO. DACW09-93-B- DISTRICT FILE NO. 239/796
			SHEET R-10 OF R-16 SHEETS